

KONSTANTINOV, S.M.

Determining the coefficient of heat transfer from the wall
to the boiling molasses waste. Spirt.prom. 28 no.2:37-40
'62. (MIRA 15:3)

1. Kiyevskiy tekhnologicheskij institut pishchevoy promyshlennosti.
(Lokhvitsa—Distillation apparatus)
(Heat—Transmission)

KONSTANTINOV, S. M.

Diagrams of the heat exchange in the evaporator for molasses
stillage. Izv.vys.ucheb.zav.; pishch.tekh.no. 2:114-116 '64.
(MIRA 17:5)

1. Kiyevskiy tekhnologicheskii institut pishchevoy promyshlennosti,
kafedra teploenergetiki.

KONSTANTINOV, S.M., kand. tekhn. nauk; FEDOTKIN, I.M., kand.
tekhn. nauk

Rated relationship for the calculation of the values of
the thermophysical characteristics of molasses stillage.
Pishch. prom. no.1:179-183 '65. (MIRA 18:11)

ACC NR: AR6023342

SOURCE CODE: UR/0271/66/000/004/A010/A010

AUTHOR: Konstantinov, S. V.; Chelpanov, L. V.

TITLE: Intermittent amplifier for an analog computer

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 4A74

REF SOURCE: Sb. tr. In-t gorn. mekhan. i tekhn. kibernet. im. M. M. Fedorova, no. 15, 1964, 159-165

TOPIC TAGS: analog computer, computer component, ac amplifier, intermittent amplifier

ABSTRACT: Amplifiers of an intermittent action for a specialized analog computer calculating the second derivative of the gravitational potential are described. There is a capacitance coupling between the stages of the amplifier. The coupling capacitors are switched by keys. Upon closing the keys the input voltage at the stage is set at zero and charging of the coupling capacitor occurs. On opening the keys the capacitors retain the charge for a certain time and the circuit during this time has the properties of a dc amplifier with direct couplings. The tuning of the amplifier takes place during the intervals. The basic data of the intermittent amplifiers are given for two systems. The amplification factor is 30 (1000), range of output voltages 0— +50 V (0— \pm 50 V), and drift 0.5 mV in both cases. [Translation of abstract] 3 illustrations and bibliography of 2 titles. T. R.

SUB CODE: 09

Card 1/1

UDC: 62-52:621.375.2

VASSERMAN, M.A.; GET'YE, V.A.; KONSTANTINOV, S.V.; RHYTMAN, I.M., redaktor;
PRESHINA, Ye.G., vedushchiy redaktor; TROPIMOV, A.V., tekhnicheskii
redaktor

[Catalog: Spare parts for petroleum apparatus] Katalog: Zapasnye
chasti k neftiannomu oborudovaniyu. Moskva, Gos. nauchno-tekhn. izd-vo
neftianoi i gorno-toplivnoi lit-ry. Pt.1. [Geological and prospecting
apparatus] Geologo-razvedochnoe oborudovanie. Sec.3. [Engines for
geological and prospecting drilling] Dvigateli dlia geologo-razve-
dochnogo bureniia. No.1. [ND22 oil engine] Neftianoi dvigatel'
ND22. 1956. 31 p. [ND22 oil engine] Neftianoi dvigatel' ND22.
1956. 38 p. (MLRA 9:7)

1. Soyusnefteburmazhremont, Gosudarstvennyi soyuznyi trest.
(Gas and oil engines)

KONSTANTINOV, S.V.

Controlled resetting system of the recording counter of the
"Ural" electronic computer. Avtom.i prib. no.1:38 Ja-Mr
'62. (MTRA 15:3)

1. Institut gornogo dela AN USSR.
(Electronic calculating machines)

ZHUCHIN, D.I.; KONSTANTINOV, S.V.; PROZOROVSKIY, G.N.; SOLNTEEV,
S.G.; KHARKHARDIN, L.S.; KLENDI, M.A., inzh., nauchn. red.;
PEREVALYUK, M.V., red.

[Rural construction in the Virgin Territory] Sel'skoe
stroitel'stvo v TSelinnom krae. Moskva, Stroiizdat, 1964.
89 p. (MIRA 17:9)

KONSTANTINOV, S.V.

Changing the flow sheet for rounding off during multiplication
on the "Ural" electronic computer. Abor. trud. Inst. gor. dela
AN USSR no.15:136-137 '63 (MIRA 17:7)

11377-65 EWT(1)/EWG(v) Po-4/Po-5/Pq-4/Pg-4 ESD(dp)/ESD(t)/SSD/AFWL/AFETR

ACCESSION NR: AP4043908

8/0049/64/000/008/1221/1222

AUTHOR: Bulakh, Ye. G., Konstantinov, S. V.

TITLE: A computer for solution of the direct problem in gravimetric prospecting

SOURCE: AN SSSR. Izvestiya. Seriya geofizicheskaya, no. 8, 1964, 1221-1222

TOPIC TAGS: gravimetry, gravimetric prospecting, geological prospecting, specialized computer, geophysics

ABSTRACT: It is generally accepted that analog computers used for the interpretation of gravity anomalies should meet the following requirements: 1. the parameters of the modeled body should be easily changeable; 2. computation of the field should be done quite rapidly 3. the feedout of the results should be in a form in which the computed and observed anomalies are compared easily and rapidly; 4. the apparatus should be simple, reliable and easy to handle. This article describes a computer which in large part meets these requirements. In contrast to other machines, this one is based largely on decision elements. The first model was constructed for computation of V_{xz} anomalies over two-dimensional bodies. The disturbing body is approximated by the sum of a certain number of blocks. If it is taken into account that the excess density in each block can be different,

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ACCESSION NR: AP4043908

It is possible to describe a mass with a variable density in sufficient detail. The value V_{xz} for a block at an arbitrary point A is determined using the formula

$$V_{xz} = k\sigma \ln \frac{(x_1^2 + H^2)(x_2^2 + h^2)}{(x_1^2 + h^2)(x_2^2 + H^2)} \quad (1)$$

where k is the gravitational constant, σ is excess density, and the values of the parameters x_1 , x_2 , h and H are shown in Fig. 1 of the Enclosure. In order to simplify the method and decrease the error, division and multiplication are replaced by subtraction and addition of logarithms, respectively. The decision unit does not make use of formula (1), but instead the equivalent formula

$$V_{xz} = k\sigma [\ln(x_1^2 + H^2) + \ln(x_2^2 + h^2) - \ln(x_1^2 + h^2) - \ln(x_2^2 + H^2)]. \quad (2)$$

For computation of V_{xz} anomaly over a complex body, which is approximated by several blocks, it is possible to use the scheme

$$V_{xz} = \sum_{i=1}^k V_{xz_i}; \quad \sum_{i=1}^j V_{xz_i} = V_{xz_j} + \sum_{i=1}^{j-1} V_{xz_i} \quad j = 1, 2, \dots, k. \quad (3)$$

where k is the number of blocks by which the disturbing masses are approximated. An

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ACCESSION NR: AP4043908

apparatus of this type is shown schematically in Fig. 2 of the Enclosure. There are 51 storage elements. The unit operates in such a way that there is simultaneous readout of storage, and the recording unit records the final solution in the form of a curve. Work on an experimental model of such a computer revealed that at a working frequency of 4 Hz the time required for computing an anomaly of 10 blocks along a profile of 51 points is approximately 150 seconds. Orig. art. has: 3 formulas and 3 figures.

ASSOCIATION: Institut gornogo dela imeni M. M. Fedorova (Mining Institute,

DEPOSITED: 02Jul63

ENCL 02

REF CODE: DP, ES

NO REF SOV: 005

OTHER: 000

EXPRESSION NR: AP4043908

ENCLOSURE: 01

0

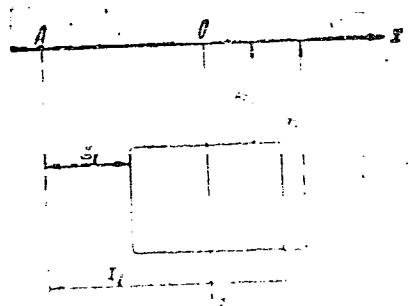


Figure 1

PART 1. 2

KUPRIN, V.A. (Novosibirsk); KONSTANTINOV, S.V. (Novosibirsk)

Savings of car-hours in every feature of car handling processes.
Zhel. dor. transp. 46 no.7:70-72 J1 '64. (MIRA 17:8)

1. Zamestitel' nachal'nika Novosibirskogo otdeleniya zheleznoy
dorogi.

KONSTANTINOV, T.

In the "Star City". Kryl. rod. 15 no.9:2-3 S '64.

(MIRA 18:1)

KONSTANTINOV, T. F.

Sotsialisticheskoe sorevnovanie na stroikakh (Socialist competition at construction projects). Moskva, Gos. izd. lit. po stroitel'stvu i arkhitekture, 1953. 67 p. (V pomoshch' ekon. obrazovaniu rabochikh-stroitelei)

SO: Monthly List of Russian Accessions, Vol. 7, No. 6, Sep. 1954

KONSTANTINOV, T. F.

NOVOSEL'TSEV, Yu.

"Socialist competition at construction sites." T.F.Konstantinov, L.D.
Tuzhikov. Reviewed by IU.Novosel'tsev. Tekh.mol. 22 no.7:37 J1 '54.
(MLRA 7:6)

(Socialist competition) (Konstantinov, T.F.) (Tuzhikov, L.D.)

ANDREYCHENKO, A.V., inzh.; KONSTANTINOV, T.F., inzh.; DAV, Z.I., inzh.;
SMEKALOV, A.G., inzh.

Study of the stresses in the rods of reinforced concrete power transmission line towers. Energ. stroi. no.32:78-83 '62. (MIRA 16:5)

1. Beskudnikovskiy zavod zhelezobetonnykh konstruktsiy (for Andreychenko, Konstantinov). 2. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva (for Dav, Smekalov).

KONSTANTINOV, Todor, sutrudnik

Share of capital assets and instruments in computing economic effect
of rationalizer proposals. Ratsionalizatsiia 13 no.12:7-9 '63.

1. Institut za izobretenia i ratsionalizatsii.

KONSTANTINOV, Todor, sutrudnik

Deductions for the Rationalization Fund in the economy
of foreign currency. Ratsionalizatsiia 13 no.8:37-38 '63.

1. Institut za izobretenia i ratsionalizatsii.

ANGELOV, D., ~~sutrudnik~~; KONSTANTINOV, T., ~~sutrudnik~~

Computing the economic effect in production and operation of
machines and equipment. Ratsionalizatsiia 14 no. 3:11-15
'64.

1. Institute of Inventions and Rationalization.

KONSTANTINOV, V. AND PUGACHEVICH, P.

"Elastic and Plastic Properties of Calcium Lubricants," Dok. AN, 57, No. 8, 1947

KONSTANTINOV, V.

"Polish Coal Mining Industry. Tr. from the Polish", P. 57, (MINNO
DELO, Vol. 9, No. 5, May 1954, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

KONSTANTINOV, V.

"Method for Examining Anthracite Coal with the Aid of a Microscope",
P. 52, (MINNO DELO, Vol. 9, No. 5, May 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

KONSTANTINOV, V.

How reinforced-concrete crossties should be laid and maintained on the railroad. p. 39.

TRANSPORTNO DELO. Vol. 8, no. 4, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

KONSTANTINOV, V.

Causes of the faster side deterioration of 49 kg/m-type rails and measures for reducing this deterioration. p. 27. (Transportno Delo, Vol. 9, No. 2, 1957, Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl

KONSTANTINOV, V.; KISOV, I.

For wider application of experimental methods in the Bulgarian machinery industry. p. 26
Teknika Vol. 7, No. 5, 1958. Sofia, Bulgaria.

Monthly Index of East European Accessions (MEAI) LC, Vol. 7, No. 10,
Oct. 58

Konstantinov, V.

TECHNOLOGY

Vol. 10, no. 5, 1958

Konstantinov, V. How the bonds between contiguous rails should be maintained in order to prevent the rail ends from premature deterioration. p. 23.

Monthly Index of East European Accessions (EEAI) LC, Vol. 3, No. 1.
Jan. 1959.

Konstantinov, V., and others.

Investigation of a bridge crane; 100/20-ton with 37-m opening. p. 17.

TEKHNIKA. (Suiuz za nauchno-tekhnikeskite druzhestva v Bulgaria) Sofia, Bulgaria.
Vol. 8, no. 9, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960.
UNCL

KONSTANTINOV, V

"How the ramps of the elevation toward transition curves should be placed and maintained."

TRANSPORTNO DELO, Sofia, Bulgaria, Vol 11, no. 4, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclas

KONSTANTINOV, V.

Accounting for spoilage and stoppage losses and the regulation
for their payment. Bukhg.uchet. 14 [i.e. 16] no.8:51-53 Ag '57.
(MLRA 10:8)

(Russia--Manufactures--Accounting)

KONSTANTINOV, V. (Yaroslavl')

Contribution of the Yaroslavl efficiency promoters. Sov.profsoiuzy
7 no.9:20-21 My '59. (MIRA 12:8)

1. Instruktor Yaroslavskogo oblsowprofa.
(Yaroslavl--Inventions, Employees')

KONSTANTINOV, V.: VULCHEV, I.

"Hydraulic couplings and their application in driving mining machinery"

Tezhka Promishlenost. Sofia, Bulgaria. Vol. 8, no. 2, Feb. 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

KONSTANTINOV, V.

Constructive problems for mounting the rollers, flywheels, and the bearings of the turbines for Batoshevo and Studena Water-Power Electric Plants. p! 24.

REKHNKA. Vol. 4, no. 5, June/July 1955

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

KONSTANTINOV, V.

TECHNOLOGY

Vol. 9, no. 7, July 1958.

Konstantinov, V. Cavitation and the fight against it.
p. 3

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1.
Jan. 1959

Konstantinov, V.

TECHNOLOGY

Vol. 9, no. 7, July 1958.

Konstantinov, V. International Conference on Water Turbines in 1958.
p. 23.

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1.
Jan. 1959

KONSTANTINOV, V., inzh.

Engineers improve communications. NTO 3 no.8:56 Ag '61.
(MIRA 14:9)
(Sochi--Telecommunication)

KONSTANTINOV, V. inzh.

Development of the hydraulic turbines industry in the People's Republic of Bulgaria. Mashinostroene 10 no.11:3-5 '61.

1. Interdepartmental Machinery Industry Organization "Mashproekt."

KONSTANTINOV, V., inzh.

Modern methods for the measurement and analysis of surface roughness. Tekhnika Bulg 11 no.5:187-188 '62.

KONSTANTINOV, V.; NIKOLOV, N.; DZHAKOVA, St.

Terminology suggested for the electric resistance tensiometry.
Mashinostroene 11 no.6:46 Je '62.

KONSTANTINOV, V., polkovnik

Concern for the daily existence of soldiers. Voen.vest. 42
no.5:52-53 My '62. (MIRA 15:11)
(Russia—Army—Military life)

KONSTANTINOV, V., polkovnik

The main thing is guidance and control. Tyl.i snab. Sov. Voor.
Sil 21 no.12:47-50 D '61. (MIRA 15:1)
(Russia--Army--Military life)

L 41368-65

ACCESSION NR: AP5004767

will be obtained from solar semiconductor batteries and electrochemical sources. The station will be located in a lunar region where the solar radiation differences. The moon as an intermediate base for interplanetary travel will be less economical than the orbital stations because of its temperature ranges. Starting time for rocket takeoffs will be chosen with respect to the state of solar activity and the intersections of the earth orbit with those of the meteorite streams. Although it is still impossible to predict solar storms, the paths of several hundreds of meteorite streams are known.

SUBMITTED: 00

ENCL: 00

SUB CODE: 3V

OTHER: 000

Card 1

KONSTANTINOV, V. (UA3QR), (Veronash)

Electronic antenna switch. Radio no.1:20 Ja '65. (MIRA 18:4)

KONSTANTINOV, V.

Development of dispatcher communication and electroradionavigation techniques. Rech. transp. 24 no.11:43-45 '65.

(MIRA 19:1)

1. Nachal'nik otdela svyazi Ministerstva rechnogo flota RSFSR.

KONSTANTINOV, V. A.

"Concerning the Helicoidal Vortex in Application to the Aerodynamic
Calculation of Propeller and Power Engines," Dokl. AN SSSR, 28, No.8, 1940

Inst. Energetics im. Khrushchevskiy, AS USSR

KONSTANTINOV, V. A.																									
PROCESSES AND PROPERTIES INDEX																									
<p>*796. Influence of Reynolds Number on Cavitation Flow. (In Russian.) V. A. Konstantinov, <i>Bulletin of the Academy of Sciences of U.S.S.R., Section of Technical Sciences</i>, no. 10, 1946, p. 1355-1374.</p> <p>Results of a preliminary investigation are tabulated, charted, and summarized. Certain interesting conclusions are drawn.</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>EXON: 004179</p>																									
<p>EXON: 004179</p>																									

KONSTANTINOV, V. A.

Index Aeronauticus
June 1954
Translations

①
TMO/R
OT/797
U.S.S.R.

Electrical Discharges in
Cavitation
Dokl. Akad. Nauk, 56(3), 259-260,
1947

V.A. Konstantinov

Cavitation Lab., Inst-Mech., AS USSR

Translation 2524467 - 30 Apr 54

APPROVED

CIA-RDP86-00513R000824410014-7

KONSTANTINOV, V. A.
C.A.

Viscosity of liquid outside the liquid and the air

Shoyu, V. A. Konstantinov (All-Union Inst. Aviation Materials, Moscow). *Zhiv. Fiz. Khim.* 34, 958-4(1958).-- Description of a glass viscometer for measurements in vacuo (10^{-6} mm. Hg). The torsional oscillations of a steel wire fitted with a steel ball plunging into the liquid, are recorded photographically. Viscosity is computed from the logarithmic decrement of the magnetically excited oscillations by means of a formula given by Burgoyne and Polyak (C.A. 43, 1844A). The high viscosity values above the liquidus found by these authors are due to the elastoviscous oxide film on the alloy surface. In some, this effect is eliminated but slightly excessive viscosities are apparently obtained due to (1) the meniscus between the ball holder and the liquid surface and (2) formation of a solid deposit on the ball surface a few degrees above the liquidus. Michel Boudart

Elektronicheskovo, 4, 83-84, Ap 1955

Abstract : The author summarizes the latest achievements in this field on the basis of reports presented at the World Power Conference in 1954. Two photographs, one 1954, reference.

Inst. APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824410014-7

Submitted : No date

ACC NR: AP7002436 (A) SOURCE CODE: UR/0219/66/000/012/0037/0040

AUTHOR: Gavriluk, M.I.; Yershova, V.T.; Konstantinov, V.A/

ORG: none

TITLE: Reaction of tantalum with nitrogen and air

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 12, 1966, 37-40

TOPIC TAGS: metal surface impregnation, tantalum, air, nitrogen

ABSTRACT Vacuum arc-melted ingots of 99.51%-pure tantalum were homogenized and rolled into 1 mm thick sheets which were annealed in a vacuum of $1 \cdot 10^{-4}$ mm Hg and then held in a nitrogen atmosphere at 800—1200C for 1.5 or 10 hr or in air at 300—600C for 1—15 hr. The depth of nitrogen penetration into tantalum was found to increase with increasing temperature and duration of the contact of tantalum with nitrogen (see Fig. 1). A

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UDC: 669.294.786.87

ACC NR: AP7002436

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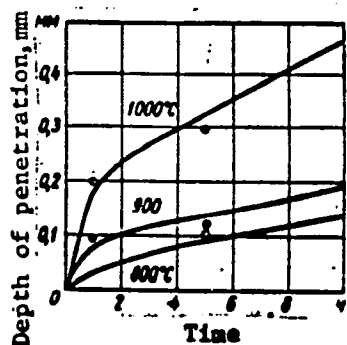


Fig. 1. Temperature and time dependence of the depth of nitrogen penetration into tantalum

particularly sharp increase in the penetration rate was observed at temperatures above 900C. In the reaction of tantalum with air, the increase in metal microhardness and in the depth of air penetration followed a similar pattern. However, the reaction of tantalum with air began at 300C, and the increase in the microhardness of tantalum, in this case, is attributed to the air oxygen. The nitrogen-contaminated surface layer

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ACC NR: AP7002436

consisted of four zones: a very thin outer zone of TaN followed by a zone consisting of TaN_2 , a zone with a tetragonal lattice ($a = 3.314 \text{ kX}$, $c = 3.3715 \text{ kX}$, $c/a = 1.0175$), and a zone with a bcc structure. Vacuum annealing of contaminated tantalum at temperatures up to 1600°C brought about a diffusion of nitrogen and oxygen from the surface deep into the metal and metal contamination in the entire volume. The removal of nitrogen and oxygen from tantalum in vacuum began at $1800\text{--}2000^\circ\text{C}$. Nitrogen and oxygen in the solid solution strongly inhibited the grain growth of tantalum.

UDC: 669.294:786'87 [MS]

SUB CODE: 11/ SUBM DATE: none/ OTH REF: 001/ ATD PRESS: 5113

Card 3/3

KONSTANTINOV, V.A., Inzh.

Determining the critical speed for cutting free stalks.

Trakt. i sel'khoz mash. no.12:20-22 D '64 (MIRA 18:2)

1. Rostovskiy institut sel'skokhozyaystvennogo mashinostroyeniya.

NIKOLAYEV, A.P., otv. red.; SHKOL'NIK, B.I., kand. med. nauk, red.;
BAKSHEYEV, N.S., prof., red.; VINOGRADOVA, S.P., prof., red.;
GRISHCHENKO, I.I., prof., red.; KORNILOVA, A.I., kand. med.
nauk, red.; KONSTANTINOV, V.A., prof., red.; MEDYANIK, R.V.,
red.; PAP, A.G., kand. med. nauk, red.; PETERBURGSKIY, F.Ye.,
prof., red.; SAVITSKIY, V.N., prof., red.; STEPANKOVSKAYA,
G.S., kand. med. nauk, red.; TIMOSHENKO, L.V., dots., red.;
YANKELEVICH, Ye.Ya., prof., red.

[Transactions of the Third Congress of Obstetricians and
Gynecologists of the Ukrainian S.S.R.] Trudy III s"ezda
akusherov-ginekologov Ukrainskoi SSR. Kiev, Gosmedizdat,
1962. 370 p. (MIRA 17:5)

1. S"yezd akusherov-ginekologov Ukrainskoy SSR. 3d, Kharkov,
1961. 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

KONSTANTINOV, V.A.

Growth outlooks for enterprises in the Kirov Economic Region.
Kosh.-obuv.prom. no.4:7-9 Ap '59. (MIRA 12:7)

1. Glavnyy tekhnolog proizvodstvenno-tekhnicheskogo otdela
upravleniya legkoy promyshlennosti Kirovskogo sovnarkhoza.
(Kirov Province--Manufacturer)

KONSTANTINOV, V.A. (Leningrad)

Significance of inhibition of the central nervous system in anoxia,
Pat.fiziol.i eksp.terap. 4 no.2:58-62 Mr-Apr '60. (MIRA 14:5)

1. Iz kafedry patologicheskoy fiziologii (nauchnyy rukovoditel' -
prof. V.S.Galkin [deceased]) Voenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova.
(NERVOUS SYSTEM) (ANOXEMIA)

KONSTANTINOV, V.A. (Leningrad)

Changes in sensitivity to various anesthetics following burn injuries. Pat.fiziol. i eksp. terap. 5 no.3:72 My-Je '61,
(MIRA 14:6)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(BURNS AND SCALDS)

(ANESTHETICS)

SKORIK, V.I.; KOCHETYGOV, N.I.; KONSTANTINOV, V.A.; FENSTER, G.S.;
PENCHUK, V.M. (Leningrad)

Model of burn emaciation in laboratory animals. Pat. fiziol. i
eksp. terap. 5 no.6:64-65 N-D '61. (MIRA 15:4)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(BURNS AND SCALDS)

KONSTANTINOV, V.A.; KAZNIN, V.P.

Some problems of extrapleural plombage in pulmonary tuberculosis.
Sev.med. 26 no.10:67-70 0 '62. (MIRA 15:12)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof.
S.A.Kolesnikov; nauchnyy rukoveditel' - akademik A.N.Bakulev)
i Podol'skogo tuberkuleznogo gosspitalya dlya invalidov
Otechestvennoy voiny (nachal'nik V.A.Konstantinov).
(PLOMBAGE (SURGERY)) (TUBERCULOSIS)

KONSTANTINOV, V.A.; KOTCHETYGOV, N.I.

Measured infliction of burns under experimental conditions.
Eksper.khir. 1 anest. no.2:30-31'63. (MIRA 16:7)

1. Iz kafedry gosspital'noy khirurgii no.1 (nachal'nik -prof.
I.S.Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii
imeni S.M. Kirova)
(BURNS AND SCALDS)

KONSTANTINOV, V.A.; SHUSTIN, V.A.

Surgery to create soundless barking in dogs. Eksper. khir. i
anest. 8 no.4&54-55 JI-Ag '63. (MIRA 17:5)

1. Nauchno-issledovatel'skaya ozhogovaya laboratoriya kafedry
gospital'noy khirurgii No.1 (nachal'nik-prof. I.S. Kolesnikov)
i kafedry neyrokhirurgii (nachal'nik - dotsent B.A. Samotokin)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

KONSTANTINOV, V.A.

Various forms of hypoxia and the adaptation to them. Report
No.1. Probl. kosm. biol. 4:502-511 '65.

Various forms of hypoxia and the adaptation to them. Report
No.2. Ibid.:512-517 (MIRA 18:9)

MAYSTRAKH, Ye.V.; IL'YUTKIN, G.N.; KONSTANTINOV, V.A.; YEREMENKO, I.V.;
KRASIL'NIKOV, S.A.; LYSENKO, O.I.; MAISATSA, V.F.; PRIVEZENTSEV,
V.I.

Automatic unit for developing reversible and controllable
hypothermia for possible use in space flight. Probl. kosm.
biol. 4:573-580 '65. (MIRA 18:9)

L 17003-66 EWT(1)/EWA(h) SCTB DD

ACC NR: AT6003893

SOURCE CODE: UR/2865/65/004/000/0573/0580

AUTHOR: Maystrakh, Ye. V.; Il'yutkin, G. N.; Konstantinov, V. A.; Yeremenko, I. V.;
Krasil'nikov, S. A.; Lysenko, O. Yu.; Matsatsa, V. E.; Privezentsev, V. I. 66
BT/

ORG: none

TITLE: Automatic apparatus to create reversible and controllable hypothermia for possible use in space flight 2

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 573-580

TOPIC TAGS: cybernetics, hypothermia, space physiology, physiologic parameter, space flight

ABSTRACT: The authors designed and tested an apparatus consisting mainly of a set of sensors of physiological functions and a logical device to process the readings of the sensors and to issue the appropriate commands for heating or cooling should the established parameters (e. g., rectal temperature, skin temperature, depth of respiration, arterial pressure, motor activity) be exceeded. The apparatus functioned very efficiently in experiments on 16 dogs with a body temperature of 22-

Card 1/2 2

L 14347-63 EWT(d)/EWT(1)/FS(v)/T-2/ES(a)/ES(b)/ES(c)/ES(k)/BDS

AFFTC/ASD/AFMDC/AFGC Pb-4 A/DD

ACCESSION NR: AP3003865

3/0020/63/151/003/0714/071776

AUTHORS: Maystrakh, Ye. V.; Yeremenko, I. V.; Il'yutkin, G. I.; Konstantinov,
V. A.

160
TITLE: Cybernetic regulation of the process of reversible hypothermia

SOURCE: AN SSSR. Doklady*, v. 151, no. 3, 1963, 714-717

TOPIC TAGS: cybernetic regulation, reversible hypothermia, hypothermia

ABSTRACT: An automatic device for subjecting the anesthetized organism to profound and reversible hypothermia is described. Special sensors record the various physiological parameters measures (rectal and skin temperature, respiration, arterial pressure, motor activity) and convert them into electrical impulses. Delivery of a signal (1) means that a given parameter is not within the optimal range; absence of a signal (0), that it is. Various combinations of (1) and (0) indicate whether the status of the anesthetized organism is satisfactory or requires external warming or further cooling. The design of the machine and methods for programming and regulating the temperature and the supply of the gaseous mixture are illustrated in diagrams and formulae. The apparatus has functioned successfully and safely in 46 experiments on hypothermia in dogs. It is planned to add

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L 14347-63

ACCESSION NR: AP3003865

b
bioelectric signals of brain and heart activity and a logical control system for self-instruction and self-regulation. "The construction, assembling, and adjustment of the first variant of the automatic device was done by V. I. Privezentsev and V. I. Pashinov; in the case of the second variant, by S. A. Krasil'nikov, O. Yu. Lysenko, and V. F. Matsats." Orig. art. has: 3 tables, 3 figures, 2 formulae.

ASSOCIATION: Institut fiziologii im. I. P. Pavlova AN SSSR (Institute of Physiology, AN SSSR)

SUBMITTED: 00

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: AS, P

NO REF SOV: 000

OTHER: 000

Card 2/2

ACC NR: AP7003916

SOURCE CODE: UR/0239/67/053/001/0035/0041

AUTHOR: Konstantinov, V. A.

ORG: Laboratory of Thermoregulation, Institute of Physiology im. I. P. Pavlov, AN SSSR, Leningrad (Laboratoriya termoregulyatsii Instituta fiziologii AN SSSR)

TITLE: Effect of hypothermia and hypoxia on the activity of hypothalamic thermoregulatory centers

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 53, no. 1, 1967, 35-41

TOPIC TAGS: rabbit, hypoxia, hypothermia, muscle physiology, ^{biologic}thermoregulation, biologic metabolism, *central nervous system*

ABSTRACT: This investigation, performed on 34 rabbits, was carried out to determine the central nervous mechanism of hypoxic inhibition of the most important heat-production sources, e.g., thermoregulatory muscle tonus and shivering. For this purpose the author studied, at different temperatures 0-5°C and under hypoxic conditions (10% O₂, 90% N) changes in electrophysiological indices of thermoregulatory muscle activity during weak electrical stimulation of thermoregulatory centers in the hypothalamus. From the change in electrical activity of muscles during hypoxia it was possible to detect disruption of the central mechanism of

Card 1/2

UDC: 612.826.4+612.53

ACC NR: AP6032619

SOURCE CODE: UR/0126/66/022/003/0410/0414

AUTHOR: Gavriilyuk, M. I.; Konstantinov, V. A.

ORG: none

TITLE: Effect of oxygen on recrystallization of tantalum

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 3, 1966, 410-414

TOPIC TAGS: tantalum, tantalum recrystallization temperature, oxygen contamination, tantalum hardness, metal recrystallization, oxygen impurity, hardness

ABSTRACT: To investigate the effect of oxygen on recrystallization temperature of high-purity tantalum electron-beam melted ingots of 99.362%-pure tantalum containing 0.0007% oxygen were cold forged and rolled into 1.0 mm sheets after which the oxygen content increased to 0.1%. Annealing in air at 500C for 5 or 10 hr followed by homogenizing annealing at 1200C in a vacuum, increased the oxygen content to 0.4 or 0.7% respectively, which was below the limit of oxygen solubility of tantalum at 20C. The sheets were then cold rolled with a reduction of 50% and vacuum annealed at 800 to 2000C for 1 hr. The recrystallization temperature of oxygen-poor and oxygen-rich tantalum as determined by x-ray diffraction pattern examination and by hardness measurements was 1200C regardless of the oxygen content. Annealing at temperatures above 1200C and below 1600C brought about no noticeable changes in hardness. However, annealing at 1800C lowered the hardness in direct proportion to the initial oxygen

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UDC: 669.294:548.53

"ACC NR: AP6032619"

content to roughly the same value. Thus, after annealing at 1800C, the oxygen-rich and oxygen-poor tantalum have the same microhardness and also the same lattice parameters. This appears to indicate that the embrittlement of recrystallized tantalum molybdenum, tungsten and chromium is brought about not by interstitial, but by substitutional elements. Orig. art. has: 2 figures.

SUB CODE: 11/ SUBM, DATE: 20Oct65/ ORIG REF: 008/ OTH REF: 006

Card 2/2

ACC NR: AP7004564 SOURCE CODE: UR/0077/66/011/005/0381/0382

AUTHOR: Zaydol', A. N.; Konstantinov, V. B.; Ostrovskiy, Yu. I.

ORG: Physico-technical Institute im. A. F. Ioffe, AN SSSR (Fiziko-tekhnicheskii institut AN SSSR)

TITLE: Laser resolution measurement

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 11, no. 5, 1966, 381-382

TOPIC TAGS: gas laser, photographic film, photographic emulsion, laser application/
Mikrat-600 photographic film

ABSTRACT: A brief description is given of an experimental use of a 6,328-angstrom neon laser as a source of light to measure the resolving power of Mikrat-600 film by the interference method. The "resolvograms" were studied by two methods, examination under the microscope and examination as transparent diffraction gratings, the second method being preferred because of simplicity, greater sensitivity and the ability to determine the frequency-contrast characteristics of emulsions, where by the ratio of brightness of the zero and the first diffraction maxima can be used as a measure of the contrast of the image, and can be measured directly. The authors thank T. M. Lovenberg for consultations. Orig. art. has: 2 figures. [JPRS: 38,961]

SUB CODE: 14, 20 / SUBM DATE: 29Apr66 / ORIG REF: 002 / OTH REF: 001

Card 1/1

UDC: 535.824.8 : 621.375.9

0926 1400

L 44792-66 EWT(1)

ACC NR: AP6031276

SOURCE CODE: UR/0057/66/036/009/1718/1721

AUTHOR: Konstantinov, B. P.; Zaydel', A. N.; Konstantinov, V. B.; Ostrovskiy, Yu. I.

ORG: Physico-technical Institute im. A. F. Ioffe AN SSSR, Leningrad (Fiziko-
tekhnicheskii institut AN SSSR)

49
B

TITLE: Holography. Experimental techniques and the resolution of method

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 9, 1966, 1718-1721

TOPIC TAGS: holography, hologram, laser photography, camera/Zenit-3m camera

ABSTRACT: Experimental holograms of half-tone and two- and three-dimensional objects were made by means of standard equipment assembled on an OSK-2 optical bench. A Zenit-3m camera was used with a 35-mm Mikrat-600 emulsion, whose maximum response was at 6400 Å. Resolution was not less than 1420 lines/mm. The quality of reconstructed images was enhanced by suppression of nonaxial modes. The angular resolution of 5 x 5 mm holograms was 3×10^{-4} radians for high-contrast reconstruction. Apparent quality degradation was observed in holograms which were 10 x 10 mm and larger. The degradation was attributed to effects caused by film bending and emulsion surface inhomogeneities. Orig. art. has: 3 figures. [YK]

SUB CODE: 14,20/ SUBM DATE: 27Apr66/ OTH. REF: 002/ ATD PRESS: 5080

Card 1/1 blg

DUNDICH, Yevgeniy Ivanovich; KONSTANTINOV, Vsevolod Fedorovich; REUSOVA, Valeriya Alekseyevna; SHEVCHENKO, V.P., kand. tekhn. nauk, dots.,
otv. red.; KOVALEVA, Z.G., red.; TROFIMENKO, A.S., tekhn.red.

[Laboratory manual on the structural physics of exterior elements
of buildings] Laboratornyi praktikum po stroitel'noi fizike og-
razhdaushchikh konstruksii zdanii. Khar'kov, Izd-vo Khar'kov-
skogo univ., 1962. 192 p. (MIRA 16:2)
(Building research)

SOV/110-59-1-8/28

AUTHOR: Konstantinov V.G. (Candidate of Technical Sciences)
TITLE: A Transistor Amplifier for Controlling the Excitation of
Electrical Machines (Usilitel' na poluprovodnikovyykh
triodakh dlya upravleniya возбуждением электрических
машин)
PERIODICAL: Vestnik Elektromyshlennosti, 1959, Nr 1, pp 27-32 (USSR)

ABSTRACT: The disadvantage of using a single half-wave transistor
as shown in Fig 1, to control the excitation of a machine
is that the losses in the transistor are too high. If a
pulsating voltage of square wave-shape, as shown in
Fig 2a, is applied to the transistor the current in the
field winding will be as shown in Fig 2b, and in this case
the losses in the transistor are low. The operation of
the circuit is briefly considered and differential
equations are formulated for the voltage and current in
the circuit when the transistor is conducting, (Eq (1)),
and when it is not, (Eq (2)). Expression (3) is
obtained for the mean value of the current in the field
winding by integrating the differential equations. The
circuit of an amplifier with a square-wave impulse
generator that was suggested in 1956 is given in Fig 4.

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SOV/110-59-1-8/28

A Transistor Amplifier for Controlling the Excitation of
Electrical Machines

The operation of this circuit is explained. Its special feature is that the length of the impulses can be controlled over a wide range by altering the control voltage on the first transistor. Therefore, the current in the field winding of the machine can be varied from zero to the maximum value with small losses in the power transistor. The operation of the circuit is described at considerable length. An experimental investigation was made of an amplifier connected as shown in Fig 4. The voltages applied to the output cascade and the generator of the amplifier were respectively 25 V and 6 V. On changing the control voltage and current in the range 0.16 - 0.7 V and 0 - 1.8 mA, the current in the field winding was altered from 0.01 to 0.68 A. During this process the frequency of oscillation ranged from 0 to 380 c/s. The generator transistor operated stably as the losses in it were low. The losses in the power transistor were so low that its temperature rise did not exceed 80°C.

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SOV/110-59-1-8/28

A Transistor Amplifier for Controlling the Excitation of
Electrical Machines

Fig 5 reproduces oscillograms of voltage and current for a control voltage of 0.65 V. The experimental work that was done on the amplifier confirmed that it is suitable for the control of field current electrical machines.

There are 5 figures, no references.

SUBMITTED: June 6, 1958

Card 3/3

SOV/110-59-9-16/22

AUTHOR: Konstantinov, V.G. (Cand. Tech. Sci.)
TITLE: An Investigation of Semi-conductor Amplifiers for the
Control of Electrical Machines
PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 9, pp 55-62 (USSR)

ABSTRACT: An article by the same author published in Vestnik elektropromyshlennosti, 1959 Nr 1, gave an analysis of the physical processes occurring in the amplifier circuit shown schematically in Fig 1. A special feature of the circuit is that the output triode receives square wave impulses whose length can be controlled over a wide range by altering the control voltage on the first triode. This system offers advantages for the excitation of electrical machines. The operation of the circuit is further described and the conditions of control voltage under which oscillations may be set up in the circuit are discussed. The performance of the equipment is studied theoretically in some detail. An amplifier was built and studied experimentally in order to check the theoretical calculations. The amplifier made use of triodes types P6V and P202. The characteristic curves of P6V are given in Fig 3. The volt/ampere characteristics of the diode that

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SOV/110-59-9-16/22

An Investigation of Semi-conductor Amplifiers for the Control of
Electrical Machines

shunts the primary transformer winding are plotted in Fig 6. Other important circuit constants are stated. Theoretical and experimental graphs of impulse frequency, excitation voltage and current as function of control voltage, and of excitation wattage as function of control wattage, are given in Fig 7; the calculated and experimental data are in good agreement. The amplifier may be used in various automatic control circuits for electrical machines, in voltage control circuits of d.c. and a.c. generators, in speed control systems of constant-current motors, and in similar applications. Now that semiconductor rectifiers of high output are manufactured, this amplifier circuit can be used for direct control of the armature voltage of a d.c. machine, using the circuit shown in Fig 8a. The operation of this circuit is briefly explained and it is pointed out that the armature current is not direct current but pulsating, the voltage and current wave forms for particular control conditions being shown in Fig 8.

Card
2/3

SOV/110-59-9-16/22

An Investigation of Semi-conductor Amplifiers for the Control of
Electrical Machines

Methods of calculating the limiting values of control
voltage above which oscillations or other difficulties
may occur are given.

There are 8 figures and 3 Soviet references.

Card 3/3

456

TKACHEV, V.V., inzh.; SHOLENINOV, V.M., inzh.; Prinimali uchastiye:
 KONSTANTINOV, V.G.; LEVIN, L.Ya.; GRIGOR'YEVYKH, G.F.;
 ZAKHAROV, V.N.; ZHDANOV, L.A.; PUZANOV, N.A.; SUKHANOV, V.I.;
 VASIL'YEV, A.N.; ZHELEZNAYA, P.T.; TUGARINOVA, Ye.A.; LEVKIN,
 A.S.; MOKIYEVSKIY, N.M.; SHAKHALOV, V.; SMIRNOV, A.I.

Developing the technology of producing a high-basicity
 open-hearth sinter. Stal' 25 no.8:683-686 Ag '65.

(MIRA 18:8)

1. Cherepovetskiy metallurgicheskiy zavod (for Tkachev,
 Sholeminov).

L 08992-67

ACC NR: AP6012115

(A, N)

SOURCE CODE: UR/0413/66/000/007/0027/0027

AUTHOR: Konstantinov, V. G.

18

ORG: none

TITLE: Static dc-to-ac converter. Class 21, No. 180242

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 7, 1966, 27

TOPIC TAGS: semiconductor rectifier, transistorized circuit

ABSTRACT: This Author Certificate presents a static dc-to-ac converter in the form of a full-wave bridge circuit of transistors. The converter contains an input transformer whose primary is connected to the driving oscillator. The secondaries are connected into the circuit without transistors in series with the base resistors. To decrease the power losses and to increase the efficiency, an additional winding of the input transformer is connected in each of the bridge branches between the transistor base and base resistor in opposition to the transformer secondary. The junction of the additional winding and the base resistor is connected through a diode to the transistor collector of the opposite branch.

SUB CODE: 09/ SUBM DATE: 28Apr64

Card 1/1 net

UDC: 621.314.57

ACC. No. AP6015638

Series connected transistors operate as a self-excited oscillator synchronized from the same master oscillator through a magnetic amplifier (or other pulse-width modulator). Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 11Nov63

Card 2/2

KONSTANTINOV, V.I.; SUTOVSKIY, S.M.; Prinimali uchastiye: MARTIROSOV, Zh.G.;
RUVINOV, E.S.; GULIYEV, A.M.; KITUSHINA, I.A.; NIFONTOV, P.R.;
CHUDAKOV, V.A.

Automatic measurement of chlorine concentration in anodic gas.
TSvet. met. 36 no.5:45-51 My '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Neftekhimavtomat"
(for Martirosov, Ruvinov, Guliyev, Kitushina).

MOROZOV, M.A.; KONSTANTINOV, V.I.

Correlation between virulence and immunogenic properties of
vaccinal smallpox strains. Zhur.mikrobiol. epid. i immun. 32
79-84 Ap '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

(SMALLPOX)

KONSTANTINOV, I.A.; KONSTANTINOV, V.I.; FILIPPOV, N.A., inzh.,
nauchn. red.; VORONETS KAYA, L.V., red.izd-va;
CHERKASSKAYA, F.T., tekhn. red.

[Practical methods and examples of designing railroad
structures] Prakticheskie metody i primery rascheta zhe-
lezobetonnykh konstruktsii. Leningrad, Gosstroizdat,
1963. 340 p. (MIRA 17:2)

KONSTANTINOV, V.I.

[Premature birth and the care of premature infants; etiopathogenesis, prophylaxis, and therapy] Nedonashivanie i ukhod za nedonoshennymi det'mi; etiopatogenes, profilaktika i terapiia. Kiev, Gos. med. izd-vo USSR, 1954. 115 p.

(MLRA 10:2)

(INFANTS (PREMATURE))

KONSTANTINOV, V.I., professor

I.P. Lazarevich; 125th anniversary of his birth. Akush. i gin.
no.4:76-80 J1-Ag '54. (MLRA 7:11)
(LAZAREVICH, IVAN PAVLOVICH, 1829-1902)

KONSTANTINOV, V.I., professor

Theory and practice of the psychoprophylactic method in labor.

Akushi 1 gin. 32 no.3:11-17 My-Je '56.

(MIRA 9:9)

(LABOR,

painless, psychoprophylactic method, theory & practice

(Rus))

KONSTANTINOV, V.I., professor

"Textbook of obstetrics." I.P.Zhordania. Reviewed by I.V.Konstantinov.
Akush. 1 gin. 32 no.3:91-94 My-Je '56. (MLRA 9:9)
(GYNECOLOGY) (ZHORDANIA, I.P.)

BEKKER, S.M.; YEVDOKIMOV, A.I.; KIRSHENBLAT, Ya.D.; KONSTANTINOV, V.I.;
LEVI, M.P.; LUR'YE, A.Yu.; NIKOLAYEV, A.P., prof.; NOVOSEL'SKIY,
V.A.; PANCHENKO, N.A.; SHAGAN, B.F.; SYRKIN, M.M., red.;
GITSHTEYN, A.D., tekhnred.

[Practical obstetrics; selected chapters] Prakticheskoe akusherstvo;
izbrannye glavy. Kiev, Gos.med.isd-vo USSR, 1958. 565 p.
(MIRA 12:2)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Nikolayev).

(OBSTETRICS)

KONSTANTINOV, V.I., prof. (Khar'kov)

Prevention of stillbirth. Soy. zdav. 19 no.6:24-28 '60.

(MIRA 13:9)

(STILLBIRTH)

KORNILOVA, A.I., kand. med. nauk, otv. red.; KONSTANTINOV, V.I.,
znan. deyatel' nauki, prof., zam. otv. red.; BAKSHEV, V.
M.S., prof., red.; RUDNEV, I.N., prof., red.; MEDYANIK,
R.V., kand. med. nauk, red.; YUSFINA, E.Z., kand. med.
nauk, red.

[Protection of the health of the mother and the newborn
infant] Okhrana zdorov'ia materi i novorozhdennogo. Kiev,
Zdorov'ia, 1964. 235 p. (MIRA 18:3)

1. Khar'kovskiy nauchno-issledovatel'skiy institut okhrany
materinstva i detstva im. N.K.Krupskoy.

KONSTANTINOV, V.I., prof.

Nonspecific placental pathology and its obstetrical significance.
Akush. i gin. 40 no.3:33-36 My-Je '64. (MIRA 18:6)

1. Khar'kovskiy nauchno-issledovatel'skiy institut okhrany
materinstva i detstva imeni Krupskoy (dir. A.I.Kornilova).

KONSTANTINOV, V.I.; MANSUROV, N.N.; SIMONOV, A.P.; FEDOROV-KOROLEV, A.A.;
ZHUKHOVITSKIY, B.Ya., redaktor; LARIONOV, G.Ye., tekhnicheskiy
redaktor

[Collected problems in theoretical electrical engineering] Sbornik
zadach po teoreticheskoi elektrotekhnike. Pod obshchei red. N.N.
Mansurova. Moskva, Gos. energ. izd-vo, 1953. 176 p. [Microfilm]
(MLRA 7:10)

(Electric engineering--Problems, exercises, etc.)

KONSTANTINOV, V. I., Eng.

Electric Engineering - Periodicals

Exposing problems of training new workers, Elektrichestvo No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KONSTANTINOV, V. I.

TAREYEV, B.M., professor, doktor tekhnicheskikh nauk; GIKIS, A.F., dotsent, kandidat tekhnicheskikh nauk; MEZHLUMOV, A.A., dotsent, kandidat tekhnicheskikh nauk (Baku); STOLOV, L.I., dotsent, kandidat tekhnicheskikh nauk (Kazan'); YUMATOV, A.A., inzhener (Kronshtadt); RAKHIMOV, G.R., dotsent, kandidat tekhnicheskikh nauk; KONSTANTINOV, V.I., inzhener (Moscow); NEYMAN, L.R.; ZAYTSEV, I.A., dotsent, kandidat tekhnicheskikh nauk; LUR'YE, A.G., dotsent, kandidat tekhnicheskikh nauk.

Terminology of theoretical electrical engineering. Elektrichestvo no.2:74-82 F '54. (MLRA 7:2)

1. Vsesoyuznyy zaochnyy energeticheskiy institut (for Tareyev).
 2. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta (for Gikis).
 3. Sredneaziatskiy politekhnicheskiy institut (for Rakhimov).
 4. Chlen-korrespondent Akademii nauk SSSR (for Neyman).
 5. Leningradskiy politekhnicheskiy institut im. Kalinina (for Neyman, Zaytsev, Lur'ye).
- (Electric engineering--Terminology)

SHIPKOV, S.N., dotsent; KONSTANTINOV, V.I., inzhener (Moscow); DIKOVSKIY, B.S., dotsent, kandidat tekhnicheskikh nauk.

Remarks on a textbook of theoretical electrical engineering for schools of higher learning. ("Principles of Electrical Engineering." K.A.Krug, ed. Reviewed by S.N.Shipkov, V.I.Konstantinov, B.S.Dikovskii). Elektrichestvo no.3:73-76 Mr '54. (MLRA 7:4)

1. Kuybyshevskiy industrial'nyy institut im. Kuybysheva (for Shipkov).
2. Ivanovskiy energeticheskiy institut (for Dikovskiy).
(Electric engineering--Problems, exercises, etc.)

GRUSHEVSKIY, B.V., dotsent, kandidat tekhnicheskikh nauk; ~~KONSTANTINOV, V.I.,~~
inzhener (Moscow); METELKIN, A.F.; LYUBIMOV, M.A.; TABACHINSKIY,
V.F., dotsent, kandidat tekhnicheskikh nauk; ROZANOV, S.P., professor,
doktor tekhnicheskikh nauk; LAVROV, V.M., dotsent, kandidat tekhnicheskikh nauk; ERON, O.B., professor, doktor tekhnicheskikh nauk (Leningrad).

The field as an aspect of matter. Elektrichestvo no.2:55-64 F'55.
(MLRA 8:2)

1. Donetskii industrial'nyy institut (for Grushevskiy).
 2. Ivanovskiy energeticheskii institut im. Lenina (for Metelkin and Lyubimov).
 3. Kafedra teoreticheskikh osnov elektrotekhniki Leningradskogo instituta inzhenerov zheleznodorozhnogo transporta (for Tabachinskiy).
 4. Kafedra elektrooborudovaniya MIKhM (for Rozanov).
 5. Moskovskiy elektrotekhnicheskii institut svyazi (for Lavrov).
- (Electromagnetic theory)

~~KONSTANTINOV, Feofil Ivanovich~~; MANSUROV, Nikolay Nikolayevich; SIMONOV,
Anton Fedorovich; FEDOROV-KOROLEV, Anatoliy Alekseyevich;
SHUKHOVITSKIY, B.Ye., redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Collection of problems in theoretical electrical engineering]
Sbornik zadach po teoreticheskoi elektrotekhnike. Pod obshchei
red. N.N.Mansurova. Izd. 2-oe, dop. Moskva, Gos.energ. izd-vo,
1957. 175 p. (MLRA 10:10)
(Electric engineering--Problems, exercises, etc.)

KONSTANTINOV, V.I.; AMOSOV, V.M.; KHOLOBES, Ye.A.

Preparation of electrolytic tantalum, niobium, and their
alloys. Porosh. met. 1 no.5:43-52 S-O '61. (MIRA 15:6)

1. Moskovskiy elektrolampovyy zavod.
(Tantalum--Electrometallurgy) (Niobium--Electrometallurgy)

KONSTANTINOV, V.I.; SKLYARENKO, S.I.; KHOLOBES, Ye.A.

Preparation of electrolytic tantalum, niobium, and their alloys.

Porosh. met. no.4:47-55 J1-Ag '61.

(MIRA 16:5)

1. Moskovskiy elektrolampovyy zavod.

(Titanium--Electrometallurgy) (Niobium--Electrometallurgy)